

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of)
PFIRRMANN et al.)
Serial No. TO BE ASSIGNED)
Filed: WITH DIVISIONAL APPLICATION)
For: LARGE BLOW MOLDINGS MADE FROM POLYETHYLENE)

Honorable Commissioner of
Patents and Trademarks
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Sir:

Prior to examination of the present divisional application of Serial No.
09/303,600, kindly amend the application as follows.

CLEAN VERSION OF AMENDMENTS

IN THE SPECIFICATION

Page 1, after the title, insert:

-- This is a divisional application of Serial No. 09/303,600, filed on May 3, 1999.--

IN THE CLAIMS

Cancel claims 1-4 and 8.

Amend claims 5 and 7 as follows:

5. (amended) A process for producing large polyethylene blow moldings having a bursting strength determined by a drop height test at 18°C of more than 3 m by forming polyethylene of density $\rho \geq 0.94 \text{ g/cm}^3$, of melt flow rate $\text{MFR } 190/21.6 < 60 \text{ g/10 min}$ and of notched tensile impact strength $a_{zK} (-30^\circ\text{C})$ not less than 250 kJ/m^2 , at high temperatures to give a large blow molding, and allowing the large blow molding to cool to room temperature, and, in a further step, annealing the large blow molding at from 60 to 135°C until the notched tensile impact strength $a_{zK} (-30^\circ\text{C})$, measured in accordance with ISO 8256, is at least 300 kJ/m^2 , and then cooling the same again to room temperature.

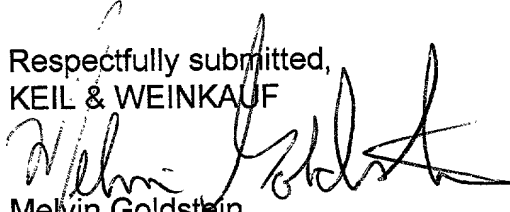
7. (amended) A process as claimed in claim 5, wherein the large blow molding is formed by extrusion blow molding.

REMARKS

Claims 1-4 and 9 have been canceled. The present application is directed to non-elected claims 5-7 of the parent application. Favorable action on the application by the examiner is solicited.

Please charge any shortage in fees due in connection with the filing of this paper, including Extension of Time fees to Deposit Account No. 11-0345. Please credit any excess fees to such deposit account.

Respectfully submitted,
KEIL & WEINKAUF


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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE SPECIFICATION

Page 1, after the title, insert:

-- This is a divisional application of Serial No. 09/303,600, filed on May 3, 1999.--

IN THE CLAIMS

Cancel claims 1-4 and 8.

Amend claims 5 and 7 as follows:

5. (amended) A process for producing large polyethylene blow moldings [as claimed in claim 1] having a bursting strength determined by a drop height test at 18°C of more than 3 m by forming polyethylene of density $\rho \geq 0.94 \text{ g/cm}^3$, of melt flow rate $\text{MFR } 190/21.6 < 60 \text{ g/10 min}$ and of notched tensile impact strength $a_{zK} (-30^\circ\text{C})$ not less than 250 kJ/m^2 , [forming the same] at high temperatures to give a large blow molding, and allowing the large blow molding to cool to room temperature, [which comprises] and, in a further step, annealing the large blow molding at from 60 to 135°C until the notched tensile impact strength $a_{zK} (-30^\circ\text{C})$, measured in accordance with ISO 8256, is at least 300 kJ/m^2 , and then cooling the same again to room temperature.

7. (amended) A process as claimed in claim 5 [or 6], wherein the large blow molding is formed by extrusion blow molding.

COPY OF ALL CLAIMS

5. (amended) A process for producing large polyethylene blow moldings having a bursting strength determined by a drop height test at 18°C of more than 3 m by forming polyethylene of density $\rho \geq 0.94 \text{ g/cm}^3$, of melt flow rate $\text{MFR } 190/21.6 < 60 \text{ g/10 min}$ and of notched tensile impact strength $a_{zK} (-30^\circ\text{C})$ not less than 250 kJ/m^2 , at high temperatures to give a large blow molding, and allowing the large blow molding to cool to room temperature, and, in a further step, annealing the large blow molding at from 60 to 135°C until the notched tensile impact strength $a_{zK} (-30^\circ\text{C})$, measured in accordance with ISO 8256, is at least 300 kJ/m^2 , and then cooling the same again to room temperature.

6. A process as claimed in claim 5, wherein the polyethylene used has a weight-average molar mass M_w of from 200 to 800 kg/mol and a breadth of molar mass distribution M_w/M_n of from 5 to 80.

7. (amended) A process as claimed in claim 5, wherein the large blow molding is formed by extrusion blow molding.